



<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	101 648, 687	
	Filing Date	8-25-03	
	First Named Inventor	Robert Sigurd Nelson	
	Art Unit	2878	
	Examiner Name		
Total Number of Pages in This Submission	3	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
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<b>Remarks</b>		
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Robert Sigurd Nelson	
Signature	Robert Sigurd Nelson	
Date	1-30-2004	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Robert Sigurd Nelson	
Signature	Robert Sigurd Nelson	Date 1-30-2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Applicants: Robert Sigurd Nelson, William Bert Nelson.

App No.: 10/648,687

Filing Date: August 25, 2003.

Examiner:

Art Unit: 2878.

Title: DEVICE AND SYSTEM FOR ENHANCED SPECT, PET, AND  
COMPTON SCATTER IMAGING IN NUCLEAR MEDICINE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sirs,

Please find enclosed an INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
for APPL NO. 10/648,687 filed on 8-25-2003 and assigned to Art Unit 2878..

1. I wish to cite (incorporate) a prior patent of which I am the sole inventor:

Patent No. 5,258,145 (issued: 11-02-1993) "Method for manufacturing a high resolution structured x-ray detector". Relevant Figures (3, 4, 5, 9, 10, 11 on page 2) and Passages (Col. 1 lines 63-68; Col. 2 lines 20-56) are representative of this approach to manufacturing high resolution scintillator arrays. This patent describes techniques for manufacturing 1-D and 2-D scintillator arrays which can then be used "edge-on" (as detailed in the already cited Patent No. 4,560,882 "High-efficiency x-radiation converters") for scintillator-based edge-on gamma cameras for SPECT, PET, and Compton gamma cameras. As noted in the application, 2-D edge-on detectors (semiconductor or scintillator) can provide depth of interaction information particularly useful for PET and Compton scatter imaging.

2. I have not included a penalty fee for this disclosure since I am unaware of an office action assigning the application to an examiner.

If there are questions I can be contacted by email (rnelson@mail.sdsu.edu) or by phone (619-594-1013).

Sincerely,



Robert Sigurd Nelson

January 30, 2004  
Date

Robert Sigurd Nelson  
2922 Upshur Street  
San Diego, California 92106



William Bert Nelson

1-26-04  
Date

William Bert Nelson  
75 Mound Ave.  
Excelsior, MN 55331-8570

(1-30-2004)

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	<u>1</u>	of	<u>1</u>
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**Complete if Known**

Application Number	10/648,687
Filing Date	8-25-2003
First Named Inventor	Robert Sigmund Nelson
Art Unit	2878
Examiner Name	
Attorney Docket Number	

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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